

# REPEATER SYSTEM

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**Classification:**

- international: **H04L13/08; H04L12/28; H04L12/46; H04L13/08; H04L12/28; H04L12/46;** (IPC1-7): H04L12/46; H04L12/28; H04L13/08

- European:

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## Abstract of JP9102793

**PROBLEM TO BE SOLVED:** To store most frames to be received actually in one receiving buffer, and to simplify reception processing so as to enable the high-speed reception processing by changing the size of the receiving buffer to the optimal size on the basis of statistics. **SOLUTION:** All optimal buffer size calculating device 108 determines the upper limit value of a range in which cumulative ratio reaches definite ratio. A buffer size changing device 107 changes the size of the receiving buffer to the size determined by optimal buffer size calculation. The number of pieces of the receiving buffers becomes the number obtained by dividing the total size of the receiving buffer by the receiving buffer size. Thus, receiving buffer size can be changed. By executing this optimization, the most of the received frames can be stored in one receiving buffer. Thus, the size of the optimized receiving buffer is not too large and not too small for the size of the frame to be received actually, and efficiency becomes best.



